

IN THE SPECIFICATION:

Kindly replace the last paragraph on page with the following:

A tree structure, called spatial (or spatio-temporal in the 3D case) orientation tree, defines the spatial (or spatio-temporal) relationship inside the hierarchical pyramid of wavelet coefficients. The roots of the trees are formed with the pixels of the approximation subband at the lowest resolution ("root" subband), while the pixels of the higher subbands corresponding to the image area (to the image volume, in the 3D case) defined by the root pixel form the offspring of this pixel. In the 3D version of the SPIHT algorithm, each pixel of any subband but the leaves has 8 offspring pixels, and each pixel has only one parent. There is one exception at this rule : in the root case, one pixel out of 8 has no offspring. The following notations describe the parent-offspring relationship, an illustration of these dependencies being given in Fig.1 (three-dimensional case) where the notations are the following : TF = temporal frame, TAS = temporal approximation subband, CFTS coefficients ~~in the~~ in the spatio-temporal approximation subbands (or root coefficients), TDS.LRL